

# Afghanistan Value Chain (AVC) - High Value Crops

Request for Quotation (RFQ)

RFQ No. **REQ-KBL-19-0266** 

# Fruit Juice and Jam Production and Packaging Line

Issue Date: July 22, 2019

<u>WARNING</u>: Prospective Offerors who have received this document from a source other than the AVC-HVC Project should immediately contact **avc-c\_procurement@dai.com** and provide their name and mailing address in order that amendments to the RFQ or other communications can be sent directly to them. Any prospective Offeror who fails to register their interest assumes complete responsibility in the event that they do not receive communications prior to the closing date. Any amendments to this solicitation will be issued and posted via email.

# I. Synopsis of the Request for Quotation

DAI, implementer of the USAID funded Afghanistan Value Chain (AVC) – High Value Crops project, invites qualified vendors to submit quotations for a Fruit Juice and Jam production & Packing Line as follows:

I. RFQ No.	REQ-KBL-19-0266
2. Issue Date	July 22, 2019,
3. Title	Fruit Juice and Jam Production & Packing Line
Please submit your quotation by Email	avc-c quotation@dai.com with subject: Bidder Company Name RFQ# REQ-KBL-19-0266. Sending to other e-mail address may lead to disqualification of your bid.
<ul><li>5. Deadline for Receipt of Quotations.</li><li>6. Point of Contact for</li></ul>	Please submit proposals by Wednesday July 31, 2019 by 4:00 pm local time in Afghanistan avc-c_quotation@dai.com  Any questions regarding this RFQ should be sent to:
Questions 7. Anticipated Award Type	avc-c procurement@dai.com till_12:00am July 30, 2019.  DAI anticipates issuing a Firm Fixed Price Purchase Order. This is only the anticipated type of award and may be changed as a result of negotiations. Issuance of this RFQ in no way obligates DAI to award a subcontract or purchase order and Bidders will not be reimbursed for any costs associated with the preparation of their quote.
8. Basis for Award	An award will be made to the responsible bidder whose bid is responsive to the terms of the RFQ and is most advantageous to DAI, considering price or/and other factors included in the RFQ. To be considered for award, bidders must meet the requirements identified in Section 12, "Determination of Responsibility". No discussions or negotiations are permitted with bidders, and therefore bidders shall submit their <b>best and final price</b> .
9. Delivery Terms	Goods must be transported by the supplier to <b>Kabul in Afghanistan</b> (shipping cost should be included in the quotation)
10. Customs clearance and incountry transportation shall be handled by	DAI AVC-HVC's partner companies
II. Expected delivery date	60 days from the issuance of the Purchase Order (PO)
12. Proffered currency of quotation	United States Dollars (USD), or Afghani (AFN)
13. Tax and Tariff on Price Quotation	Must include all applicable taxes and tariffs
14. After-sales service required	<ul> <li>Warranty for minimum period of 12 months</li> <li>Provision of service unit when pulled out for maintenance / repair within 12 months</li> </ul>
15. All documents shall be in this language	English

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16. Payment Terms	Supplier agrees to DAI payment terms: payment will be made to		
	the vendor within 45 days after receiving a correct invoice for		
	goods or services received in connection and response to the		
	Purchase Order issued by procurement department.		
17. Documents to be submitted	a) Technical Proposal		
and requirements	Bidder must specify all the required parameters listed in the		
	"Machinery Specifications" section. Fail to do so may critically		
	disadvantage the bid during evaluation.		
	The supplier warrants that the goods, including packaging,		
	conform to the specifications for the goods ordered and are fit		
	for the purpose for which such goods are ordinarily used for		
	purposes expressively made known to the supplier by DAI AVC-		
	HVC project and are free from defects in workmanship and		
	materials:		
	Brief introduction of your company, experiences and		
	qualifications in manufacturing or assembling similar		
	machinery.		
	Please highlight past experiences in Afghanistan or		
	similar countries, which will be considered favorably.		
	<ul> <li>Quality Certificates (ISO, etc.) if available</li> </ul>		
	Detailed description of offered products with pictures		
	Warranty of machine and parts		
	<ul> <li>Packaging details</li> </ul>		
	Delivery time		
	Installation services		
	b) Financial Proposal		
	<ul> <li>DAT quotation including all applicable taxes</li> </ul>		
	<ul> <li>Price schedule including, installation, user training,</li> </ul>		
	shipping cost (delivery to Kabul, Afghanistan), etc.		
	(please refer to sample structure in Attachment A)		
	<ul> <li>Include statement that the quotation is valid for at</li> </ul>		
	least 90 days		
	Payment terms		
	c) Compliance documentation:		
	Valid Business License		
	<ul> <li>Evidence of a DUNS number (see details in section 4.</li> </ul>		
	Compliance section) or self-certification statement of		
	exemption		

# 2. Machinery Specifications

Fruit Juice and Jam Processing & Packaging Machinery Specifications

Note: Power supply in Afghanistan is single phase 220V or 3 phase, 220/380V, 50-60Hz.

### Sr. No - 1

# Washing Machine (Bubble) - Qty -1 No

Service Washing for Apple, Apricot, Sour cherry, Carrot (carrot from market)

Material Stainless Steel AISI 304

Type Washing Rectangular Tank with Elevator

Including 1. Soaking tank with air piping & perforated sheet. (Extra area of

soaking tank).

2. Fruits soaked in water soaking area and thoroughly cleaned by high pressure turbo blower to clean soil dust, foreign particles.

3. Water turbulence is created by pump water circulation.

4. High pressure Blower of aluminum body mounted on S.S frame.

5. Water pump to create turbulence action to push forward the

fruits to elevator.

Working 250 Kg/Hour

Capacity

Installed Power 2 HP

### Sr. No - 2

# Inspection Conveyor – Qty -1 No

Service For sorting, & inspection & transfer of product

Material Stainless Steel AISI 304

Type Horizontal

Including 1. Food quality PVC conveyor belt used.

2. Structure is SS 304 square tube.

3. Drive & driven rollers are food grade rubber coated

4. Drive through chain and chain wheel

5. Feed and discharge chute.

6. Waste Collection bin arrangement

Working 250 Kg/Hour

Capacity

Installed Power 1 HP

#### Sr. No - 3

#### Flight Elevator - Qty -1 No

Service To Transfer Fruits from Conveyor to SS Chute

Material Stainless Steel AISI 304

Type Inclined

Including 1. Supporting Frame Stainless Steel AISI 304

2. PP Belt with flights

3. Feed and discharge chute

4. Inclined chute return side covered

Working length to be specified by manufacturer. Should be in line with capacity

Capacity

Installed Power 2 HP

#### Sr. No - 4

### SS Chute Arrangement- Qty -1 No

Service To transfer the fruits from elevator to fruit mill cum Pulper & Coarse

cum Fine Pulper

Material Stainless Steel AISI 304

Type Inclined

Working Should be in line with previous operations

Capacity

#### **For Carrot Fruits**

### Sr. No - 5

### Blanching Tank - Qty -1 No

Service Blanching purpose
Material Stainless Steel AISI 304

Type Horizontal Tank

Including Suitable for blanching of product.

1. Provided electrical heaters for heating the water.

2. Insulation is given for reduction of heat loss.

3. Product retention time depending upon product.

4. Electrical Power: Electrical heater – Total KW and number of electrical heaters to be

specified by manufacturer

5. Perforated basket – Numbers to be specified by manufacturer

6. Temperature Indicator for temp display.

7. Perforated basket of 20 Kg

### Sr. No - 6

### Inspection Conveyor – Qty -1 No

Service For sorting, & inspection & transfer of product to slicer machine

Material Stainless Steel AISI 304

Type Horizontal

Including 1. Food quality PVC conveyor belt used.

2. Structure is SS 304 square tube.

3. Drive & driven rollers are food grade rubber coated

4. Drive through chain and chain wheel

5. Feed and discharge chute.

Working 250 kg/hr

Capacity

Installed Power 1 HP

#### Sr. No - 7

# Slicer Machine - Qty -1 No

Service To cut the blanched carrot in uniform sizes

Material Stainless Steel AISI 304

Type Horizontal with cutting blade

Including 1. Cutting knives

2. Structure is SS 304 square tube.3. Feed and discharge chute.

4. Electrical motor

Working 250 kg/hr

Capacity

Installed Power 2 HP

### For Apple

### Sr. No - 8

### Fruit mill Cum Fine Pulper - Qty -1 No

Service Separation Pulp, seed , Skin Material Stainless Steel AISI 304

Type Rotative Centrifugal Horizontal

Including 1. For Crushing of apple for better extraction of the pulp.

2. Consists of shell body having inside serration.

3. Rotor is also having outside serration.

4. Fixed speed drive completes with Electric motor and couplings,

Working 250 kg/hr

Capacity

Installed Power 5 HP

### Sr. No - 9

# Collection Tank -Qty -1 No

Service Collection of Pulp from fruit mill cum fine pulper

Material Stainless Steel AISI 304

Type Rectangular

Including 1. Rectangular in shape.

2. Mounted on pipe legs with S.S. Cover.

3. Bottom having slope.4. Outlet SMS Union

Working 200 Liters

Capacity

### Sr. No - 10

### Product Transfer Pump -Qty -1 No

Service To Transfer the fruit Pulp from fruit Pulp Collection Tank

Material Stainless Steel AISI 304

Type Progressive displacement pump

Including 1. Suction & discharge connection – SMS union

2. Base Frame: - SS 304 Fabricated, Flexible Coupling & Guard

3. Pump Head 10 M & Pressure 4 Bar

Working 750 Liters per hour

Capacity

Installed Power 1 HP

#### Sr. No - 11

#### Apple Hydraulic Press -Qty -1 No

Service To press apple Pulp to extract the Remaining Juice

Material Contact Parts Stainless Steel AISI 304

Type Vertical with Hydraulic Power Pack
Including 1. Juice collection arrangement.

Muslin Cloth bag
 Hydraulic Power Pack

4. Structure

Working 250 KG per hour

Capacity

### Sr. No - 12

# Collection Tank -Qty -1 No

Service Collection of Pulp from apple juice press

Material Stainless Steel AISI 304

Type Rectangular

Including 1. Rectangular in shape.

2. Mounted on pipe legs with S.S. Cover.

3. Bottom having slope.4. Outlet SMS Union

Working 200 Lit

Capacity

# Sr. No - 13

### Product Transfer Pump -Qty -1 No

Service To Transfer the fruit Pulp from fruit Pulp Collection Tank to treatment

Tank

Material Stainless Steel AISI 304
Type Progressive Cavity pump

Including 1. Suction & discharge connection – SMS union

2. Base Frame: - SS 304 Fabricated, Flexible Coupling & Guard

3. Pump Head 10 M & Pressure 4 Bar

Working 750 LPH

Capacity

Installed Power 1 HP

### Sr. No - 14

# Treatment Tank with Agitator -Qty -5 Numbers

Service For sedimental treatment of apple Fruit Pulp particles

Material Stainless Steel AISI 304
Type Cylindrical Vertical

Including 1. Cylindrical having top and bottom cone type ends.

2. Inlet and outlet SMS3. Man hole on top cover

4. CIP Connection with Spray ball rotating type

5. Tank mounted on pipe legs

6. Agitator paddle type rotating at 28 RPM7. Sample cock & Thermo well connection

Installed Power 1 HP Each x 5 Qty

Working 300 Lit

Capacity

### Sr. No - 15

### Product Transfer Pump -Qty -1 No

Service To Transfer the fruit Pulp from treatment tank to sparkling filter

Material Stainless Steel AISI 304

Type Centrifugal

Including Suction & discharge connection – SMS union

Base Frame: - SS 304 Fabricated, Flexible Coupling & Guard

Pump Head 10 M & Pressure 4 Bar

Installed Power 1 HP

Working 750 Liters per hour

Capacity

### Sr. No - 16

### S Sparking Filter - Qty - 1 No

Service Filter for juice particles from the apple juice

Material Stainless Steel AISI 304

Type Vertical

Including 1. The unit consists of a strong stainless-steel tank with top cover,

SS handle, Pressure gauge and tightening bolt.

2. The set of SS filter plates with perforated screen, filter pads &

interlocking cups are fitted in the center of the tank.

3. It is fitted with either SS gear pump or centrifugal pump.

4. The complete unit is mounted on S.S stand covered with S.S sheet

on top and provided with castor wheels.

5. The unit is provided with bypass system, safety valve and an arrangement to use the pump as transfer pump depending upon

model.

6. The unit is supplied with 2HP 2800 rpm motor

Installed Power 2 HP Each

Working 500 Liters per hour

Capacity

# Sr. No - 17

# Collection Tank - Qty - 1 No

Service Collection of Pulp from sparkling filter

Material Stainless Steel AISI 304

Type Rectangular

Including 1. Rectangular in shape.

2. Mounted on pipe legs with S.S. Cover.

3. Bottom having slope.4. Outlet SMS Union

Working 300 Lit

Capacity

### Sr. No - 18

### Product Transfer Pump -Qty -1 No

Service To Transfer the fruit Pulp from fruit Pulp Collection Tank to steam

jacketed Kettle

Material Stainless Steel AISI 304

Type Centrifugal

Including 1. Suction & discharge connection – SMS union

2. Base Frame: - SS 304 Fabricated, Flexible Coupling & Guard

3. Pump Head 10 M & Pressure 4 Bar

Installed Power 0.5 HP

Working 500 Liters per hour

Capacity

### For Apricot & Cherry

# Sr. No - 19

### Coarse Cum Fine Pulper -Qty -1 No

Service Separation seed , Skin & Fibers

Material Stainless Steel AISI 304

Type Centrifugal Horizontal Bodies

Including 1. Consist of adjustable two beater blades & two P.P brush assembly.

2. Pulpers are mounted on square tube frame.

3. Pulper is to separate the seed & skin through waste chute.

4. P.P brush assemblies to break the fibers of pulp into fine pieces.

5. Pulp discharge through discharge chute outlet.

6. Double Pulper with 1/8" mesh/screen/sieve at first stage and 1/16 at second stage.

7. Leak proof and Open door at top with hinge fitting

8. Drive through - V Pulley and V Belt

Installed Power 5 HP

Working 250 Kg/Hour

Capacity

# Sr. No - 20

# Collection Tank - Qty - 1 No

Service Collection of Pulp from coarse cum fine pulper

Material Stainless Steel AISI 304

Type Rectangular

Including 1. Rectangular in shape.

2. Mounted on pipe legs with S.S. Cover.

3. Bottom having slope.4. Outlet SMS Union

Working 300 Lit

Capacity

### Sr. No - 21

### Product Transfer Pump -Qty -1 No

Service To Transfer the fruit Pulp from fruit Pulp Collection Tank to steam jacketed kettle

Material Stainless Steel AISI 304
Type Progressive Cavity Pump

Including 1. Suction & discharge connection – SMS union

2. Base Frame: - SS 304 Fabricated, Flexible Coupling & Guard

3. Pump Head 10 M & Pressure 4 Bar

Installed Power 0.5 HP

Working 500 Liters per hour

Capacity

#### **Pre-heating Section**

### Sr. No - 22

# Steam jacketed Kettle -Qty -4 No

Service For mixing, heating and pasteurizing product

Material Stainless Steel AISI 304

Type Fixed type kettle

Including 1. Hemispherical in shape

2. Used for mixing, preheating, heating and pasteurizing.

3. Agitator driven by geared motor

4. Steam inlet valve, condensate outlet connection, pressure gauge,

pressure relief valve, pet cock.

5. Product outlet of SMS union. Consists of shell, Jacket frame agitator.

Installed Power 2 HP Each  $(2 \times 4) = 8 \text{ HP}$ 

Working 500 kg per hour

Capacity

# Sr. No - 23

# Product Transfer Pump -Qty -1 No

Service To Transfer the fruit Pulp from steam Jacketed kettle to Rotary Scrape Surface Pasteurizers

Material Stainless Steel AISI 304
Type Progressive Cavity pump

Including 1. Suction & discharge connection – SMS union

2. Base Frame: - SS 304 Fabricated, Flexible Coupling & Guard

3. Pump Head 10 M & Pressure 4 Bar

Installed Power 1 HP Working 750 LPH

Capacity

### Sr. No - 24

# Rotary Scrape Surface Pasteurizers -Qty -1 No

Service Pasteurizing of Pulp

Material Contact Part Stainless Steel AISI 304

Type Surface Scraper Heat Exchanger

Including 1. Stator with steam jacket

2. Rotor with adjustable Teflon scrappers3. Insulation covered with outer sheet4. Digital temperature indicator - 1 Set

5. Field Instruments 1 Set

6. Interconnecting Pipes and Fittings 1 Lot

7. Skid 1 set

Installed Power 1 HP
Working 300 Kg/hr

Capacity

### Sr. No - 25

#### **Insulation Tank - 1 No**

Service For Storage juice after Rotary Scrape Surface Pasteurizers

Material Stainless Steel AISI 304
Type Cylindrical Vertical

Including 1. Cylindrical having top and bottom cone type ends.

2. Tank mounted on pipe legs.

3. Glass insulation covered with S.S Sheet.

4. Inlet and outlet with SMS union.

5. CIP Connection with Spray ball rotating type.

6. Sample cock & Thermo well connection

Working 200 Lit

Capacity

### Sr. No - 26

#### Product Transfer Pump -Qty -1 No

Service To Transfer the fruit Pulp from Insulation Tank to Filling Machine

Material Stainless Steel AISI 304

Type Progressive Cavity Pump

Including 1. Suction & discharge connection – SMS union

2. Base Frame: - SS 304 Fabricated, Flexible Coupling & Guard

3. Pump Head 10 M & Pressure 4 Bar

Installed Power 1 HP

Working 750 Liters per hour

Capacity

### Sr. No - 27

### **Sugar Syrup Section**

# Ro Water plant – 300 Liters per hour

### Sr. No - 28

### Sugar Dissolving Tank - Qty - 1 No

Service For Ingredients Mixing
Material Stainless Steel AISI 304
Type Cylindrical Vertical

Including 1. Cylindrical having top and bottom cone type ends.

2. Tank with SS insulated jacket.3. Tank mounted on pipe legs.

4. Glass insulation covered with S.S Sheet.

5. Inlet and outlet with SMS union.

6. Man hole on top cover.

7. CIP Connection with Spray ball rotating type.8. Agitator paddle type rotating at 28 RPM.

9. Sample cock & Thermo well connection

Installed Power 1 HP
Working 200 Liters

Capacity

### Sr. No - 29

### Filter for Starch & sugar

Service For Ingredients Mixing Material Stainless Steel AISI 304

Type Vertical

Including 1. The unit consists of a strong stainless-steel tank with top

cover, SS handle, Pressure gauge and tightening bolt.

2. The set of SS filter plates with perforated screen, filter pads &

interlocking cups are fitted in the center of the tank.

3. It is fitted with either SS gear pump or centrifugal pump.

4. The complete unit is mounted on S.S stand covered with S.S

sheet on top and provided with castor wheels.

5. The unit is provided with bypass system, safety valve and an arrangement to use the pump as transfer pump depending

upon model.

6. The unit is supplied with 2HP 2800 rpm motor

Installed Power 1HP Each

Working 200 Liters per hour

Capacity

# Sr. No - 30

### Sugar Holding Tank -Qty

Service Storage for Sugar Syrup

Material Contact Part Stainless Steel AISI 304

Type Cylindrical Round

Including 1. Cylindrical Round in shape.

2. Mounted on pipe legs with S.S. Cover.

Bottom having slope.
 Outlet SMS Union

Working 200 Liters

Capacity

### Sr. No - 31

### Sugar Syrup Transfer Pump –Qty - 1 No

Service To Transfer the Sugar Syrup from S.S Tank to Steam Jacketed Kettle

Material Stainless Steel AISI 304

Sanitary Rubber

Type Centrifugal

Including 1. Sanitary mono coupled, open impeller type centrifugal pump.

2. Suction & discharge connection – SMS union

3. Head:- 10 Meter

Installed Power 2 HP

Working 200 Liters per hour

Capacity

# Sr. No - 32

### **Ingredient Mixing Tank -Qty - No**

Service To mix Ingredient (Pectin)
Material Stainless Steel AISI 304
Type Vertical Tank with agitator

Including 1. Round in shape.

2. Mounted on pipe legs with S.S. Cover.

3. Bottom having slope.

4. With Agitator5. Outlet SMS Union

Installed Power 1 HP

Working 500 Liters per hour

Capacity

# Sr. No - 33

### Product Transfer Pump -Qty -1 No

Service To Transfer the mixed ingredient liquid product to steam jacketed kettle

Material Stainless Steel AISI 304
Type Progressive Cavity Pump

Including 1. Suction & discharge connection – SMS union

2. Base Frame: - SS 304 Fabricated, Flexible Coupling & Guard

3. Pump Head 10 M & Pressure 4 Bar

Installed Power 1 HP

Working 750 Liters per hour

Capacity

# **Packaging Section**

### Sr. No - 34

# 2 Head Piston Filler - Qty - 1 No

Service For Jam Filling Purpose Material Stainless Steel AISI 304

Type Vertical with Pneumatic piston filler

Including 1. Inlet hopper

2. Float valve at inlet of the hopper.

3. Filling Range 100 gram to 1000 gram without changing parts.

4. Capable of Hot filling up to 100 degrees.5. Positive shut off nozzle for drip free filling.

6. Diving nozzle system

7. Easy hassle free dose adjustment.8. Common Height adjustment.

9. PLC controlled system.

Installed Power 2 HP

Working 10-15 bottles/glass jars per min.

Capacity

#### Sr. No - 35

# SS Table - Qty - 1 No

Service Inspection Purpose of filled glass bottles

Material Stainless Steel AISI 304 Including 1. Size 1200 x 600 x 800 MM

### Sr. No - 36

#### Heat Sealing Machine - Qty - 4 Nos

Service It is used for heat sealing inner lids of the containers Including 1. The sealing surface is 135 to 150 mm in diameter.

2. The maximum height of the container admissible is 300 mm.

3. It is used to seal aluminums foils on containers.

Working Semi-automatic, operated manually. Inline with capacity of whole line

Capacity

# Sr. No - 37

### Lug off Capping Machine - Qty - 1 No

Service These are used to cap glass bottles with specially lined caps

Material Stainless Steel AISI 304

Type Vertical with Pneumatic piston filler

Including 1. Achieving an airtight seal.

2. These caps are tightened using pneumatic force; the capping force is consistent and

helps in preventing bottle leakage.

3. Air Consumption - 1 -1.2 cfm@ 75 psi.

Installed Power 2 HP

Working Semi-automatic, operated manually. Inline with capacity of whole line

Capacity

### Sr. No - 38

# Double Vertical Retort -Qty - 2 No

Service Sterilization of filled cans

Material Mild Steel
Type Vertical

Including 1. Vertical tank with lid cover having 2 crates carrying capacity.

2. Steam inlet, water inlet, outlet connection, thermometer, pressure

relief valves

Working 2 crates holding capacity

Capacity

#### Sr. No - 39

### MS Crates --- Qty -8 Nos

Service To carry cans/ bottles for Sterilization of filled cans

Material Mild Steel
Type Vertical

Including 1. Crate having hook arrangement

2. Wire mesh or perforated sheet.

Working Each Crates having capacity 92 Cans of A10 Can Size (A10 CANØ157

Capacity mm Dia x 178mm height)

### Sr. No - 40

#### Electrical Hoist --- Qty -1 Nos

Service For loading and un loading of can filled crates from retort & cooling

system

Material Mild Steel

Type Horizontal mounted on railings at suitable height

Including 1. With trolley

2. Wire rope

3. Electric hoist with hook

4. Electrical motor

5. I beam

6. Structure for railings

Working 1 Ton with lift speed 2-8 m/min

Capacity

Installed Power 1 HP

### Sr. No - 41

### Cooling Tank -- Qty -3 Nos

Service Cooling Purpose of sterilized glass bottles

Material Stainless Steel AISI 304

Including 1. Suitable for cooling of product.

2. Product cooled by cooling tower/chilled water

3. Product retention time depending upon product is given for reduction of heat loss

Working In line with capacity of previous line

Capacity

### Sr. No - 42

# Conveyor For Mapping Purpose - Qty -1 No

Service After Cooling water on the surface of product should be mapping

Material Stainless Steel AISI 304 with belt conveyor Working In line with capacity of previous line

Capacity

### Sr. No - 43

### Cooling Tank -- Qty -3 Nos

Service Wrap around Labeling Machine is suitable for many variety of bottle

labeling.

Including 1. When labeling, the bottle will automatically rotate to allow the labeling device to apply

the pressure for labeling. It can be used for plastic, glass, metal and other round

containers/bottles.

2. Suitable for Industry: Pharmaceutical / Medical, Biotechnology, Food,

3. Beverage, Cosmetic, Chemical, Plastic...etc.

4. Voltage Supply

5. Labeling Drive-3-phase6. Control Interface- digital

Working In line with capacity of previous line

Capacity

# Sr. No - 44

### Cooling Tank -- Qty -3 Nos

Service Shrink Tunnel – Qty – 1 No

Including 1. Wrap speed: 30 – 40 pallets/hour (depending upon the size)

2. Turntable diameter: To be proposed by manufacturer

3. Turntable speed: 3 - 15 rpm

4. Max load weight: To be proposed by manufacturer5. Wrapping height: To be proposed by manufacturer6. Turntable height: To be proposed by manufacturer

7. Carriage type: mechanical brake, % ratio to be proposed by manufacturer

8. Wrapping settings: wrap cycles /top wraps /bottom wraps /overwrap

8. Carriage speed: meters/min to be proposed by manufacturer

9. Turntable motor: KW to be proposed by manufacturer

10. Carriage lifter motor: KW to be proposed by manufacturer

Working rpm to be proposed by manufacturer

Capacity

Installed Power 1 HP

#### Sr. No - 45

# **Product Piping --- Qty -1 Lot**

Service To transfer the product from one equipment to other

Including 1. With pipes

2. Tee, bends, valves3. Fitting material

Material SS 304

Type Horizontal Round

#### Sr. No - 46

# Air Compressor - Qty - 1 No

Service Suitable for 2 head Filling machine & lug off capping unit

### Sr. No - 47

### Bottle washer Machine - 1 No

Service To Wash the bottle

Including 1. Consists of soaking tank, brushing unit, rinser fitted with 1/4 hp

pump

2. Brushing unit with two brushes driven by 1 HP single motor.3. SS combined tank fitted on structure and rinsing is by water and

also provided by steam port

### Sr. No - 48

### Steam Boiler with Accessories --- Qty -1 Lot

Service To generate the steam from water

Including 1. Steam boiler capacity in line with whole operation

2. Chimney and its accessories capacity in line with whole operation

3. Water Tank, capacity in line with whole operation4. Water Softener, capacity in line with whole operation

5. Its Piping, as per requirement

Material Mild Steel

Type Horizontal

# Sr. No - 49

# Steam Pressure Reducing Station-- Qty -1 Lot

Service To reduce the steam up to required pressure

Including 1. Steam pressure reducing valve

Tee, Bend
 Condensate

Material Mild Steel
Type Horizontal

Capacity Inline with whole operation

# Sr. No - 50

### Steam Piping--- Qty -1 Lot

Service To transfer the steam from Pressure Reducing Station to the required equipment

Including 1. With pipes

2. Tee, bends, valves3. Fitting material

4. Insulation covered with aluminum sheet

Material Mild Steel insulation cover

Type Horizontal round

Capacity Inline with whole operation

# Sr. No - 51

# Water Piping-- Qty -1 Lot

Service To transfer the water from water storage to the required equipment

Including 1. With pipes

2. Tee, bends, valves3. Fitting material

Material Mild Steel

Type Horizontal round

Capacity Inline with whole operation

### Sr. No - 52

### Air Piping-- Qty -1 Lot

Service To transfer the air from air compressor to the required equipment

Including 1. With pipes

2. valves

3. Fitting material

Material Plastic

Type Round Flexible

Capacity Inline with whole operation

# Sr. No - 53

# **Electrical Panel -- Qty -1 No**

Service To start & control the electrical supply to the required machine

Including 1. Relay,

2. Contactor,

3. MCB

4. On/Off Push button

5. Indicator

Material Mild Steel powder coated

Type Vertical

Capacity Inline with whole operation

# Sr. No - 54

### **Electrical Cabling -- Qty -1 Lot**

Service Supply of electric to the required machine

Including 1. Electrical cable

2. Cable Cover & it's essential accessories

Material Electric cable as per machine requirement

Type 4 cores with desired square mm as per machine

Capacity To meet the requirement of the whole line

### Sr. No - 55

# Cooling Tower with its Pump-- Qty -1 Lot

Service To drop down the water temp

Including 1. FRP Basin/Casing

2. PVC Honey Comb type fills

3. Nozzles4. Fan

5. Electric Motor

Material FRP

Type INDUCED DRAFT SQUARE COUNTER FLOW
Capacity To meet the requirement of the whole line

Electric Power 0.5 HP

# Sr. No - 56

### Water Chiller -- Qty -1 No

Service To chill the water from ambient temp to 4-6°C as per machine

requirement

Including 1. Compressor

Evaporator
 Control Panel

4. Frame

5. Temp Display

6. Tank

7. Piping & Valve

Material Mild Steel powder coated

Capacity To meet the requirement of the whole line

# Sr. No - 57

### Chilled water Piping - Qty -1 Lot

Service Supply of chilled water to required machine

Including 1. Pipe

2. Valves, Tees, Bends

3. Insulation covered with aluminum cover

Material To be proposed by manufacturer Type Horizontal Pipe with Insulation

Capacity To meet the requirement of the whole line

### Sr. No - 58

### Tools and Tackles - Qty - 1 Lot

Service For maintenance purpose of machines

Including 1. Spanner set

2. Allen Key Set3. Grinding machine4. Cutting machine5. Grinding wheel6. Cutting wheel

7. Other essential accessories

# Sr. No - 59

# CIP System- Qty - 1 Lot

Service For cleaning of Tank & Pipeline

Including 1. SS Tank

2. Pump

3. Valves & fittings

Material SS 304

Capacity To meet the requirement of the whole line

### Sr. No - 60

# CIP System- Qty - 1 Lot

Service For cleaning of Tank & Pipeline

Including 1. SS Tank

2. Pump

3. Valves & fittings

Material SS 304

Capacity To meet the requirement of the whole line

# 3. Compliance Requirements

I.	Determination of Responsibility	<ul> <li>DAI will not enter into any type of agreement with a vendor prior to ensuring the vendor's responsibility. When assessing a vendor's responsibility, the following factors are taken into consideration:</li> <li>1. Provide copies of the required business licenses to operate in the host country.</li> <li>2. Evidence of a DUNS number (explained below and instructions contained in the Annex).</li> <li>3. The source, origin and nationality of the services are not from a Prohibited Country (explained below).</li> <li>4. Ability to comply with required or proposed delivery or performance schedules.</li> </ul>	
2.	Geographic Code	<ul> <li>Under the authorized geographic code for its contract DAI may only procure goods and services from the following countries.</li> <li>Geographic Code 935: Goods and services from any area or country including the cooperating country, but excluding Prohibited Countries.</li> <li>DAI must verify the source, nationality and origin, of goods and services and ensure (to the fullest extent possible) that DAI does not procure any services from prohibited countries listed by the Office of Foreign Assets Control (OFAC) as sanctioned countries. The current list of countries under comprehensive sanctions include: Cuba, Iran, North Korea, Sudan, and Syria. DAI is prohibited from facilitating any transaction by a third party if that transaction would be prohibited if performed by DAI.</li> <li>By submitting a quote in response to this RFQ, Bidders confirm that they are not violating the Source and Nationality requirements and that the services comply with the Geographic Code and the exclusions for prohibited countries.</li> </ul>	
3.	Data Universal Numbering System (DUNS)	All U.S. and foreign organizations which receive first-tier subcontracts/ purchase orders with a value of \$30,000 and above <b>are required</b> to obtain a DUNS number prior to signing of the agreement. Organizations are exempt from this requirement if the gross income received from all sources in the previous tax year was under \$300,000. DAI requires that Bidders sign the self-certification statement if the Bidder claims exemption for this reason.  For those required to obtain a DUNS number, you may request Attachment C: Instructions for Obtaining a DUNS Number.  For those not required to obtain a DUNS number, you may request Attachment D: Self-Certification for Exemption from DUNS Requirement	
4.	Compliance with Terms and Conditions	Bidder shall be aware of the general terms and conditions for an award resulting from this RFQ. The selected Bidder shall comply with all Representations and Certifications of Compliance listed in Attachment B.	
5.	Procurement Ethics	By submitting an Bidder, Bidders certify that they have not/will not attempt to bribe or make any payments to DAI employees in return for preference, nor have any payments with Terrorists, or groups supporting Terrorists, been attempted. Any such practice constitutes an unethical, illegal, and corrupt practice and either the Bidders or the DAI staff may report violations to the Toll-Free Ethics and Compliance Anonymous Hotline at +1 855-603-6987, via the DAI website, or via email to FPI hotline@dai.com.	

6.	Offeror's Agreement with Terms and Conditions	The completion of all RFQ requirements in accordance with the instructions in this RFQ and submission to DAI/Finance Inclusive of a quote will constitute an offer and indicate the Offeror's agreement to the terms and conditions in this RFQ and any attachments hereto. Issuance of this RFQ in no way obligates DAI to award a purchase order, nor does it commit DAI to pay any costs incurred by the Offeror
	Conditions	in preparing and submitting the quote. DAI/Finance Inclusive has the rights to
		increase or decrease the goods and services mentioned in this RFQ.

# 4. Evaluation Criteria

Criteria	Description	Points
Past Experience Experience and knowledge in manufacturing or assemble		5
	similar machines and provide to Afghanistan or similar	
	developing countries	
Quality Assurance	ISO, CE, etc.	5
Certificates		
Technical Proposal	Meeting or surpass the specifications requirements	40
Delivery time	Time needed to deliver from signing of Purchase Order	10
Price	Competitiveness of price	20
Warranty / Aftersales	At least 1-year warranty	10
service		
Installation and training	Able to provide installation and training service in Afghanistan	10
service		
	Total	100

# Note:

A proposal shall be considered responsiveness if it:

- Complies at least 90% with the required technical requirements i.e. Statement of Work and Specifications requirements, stipulated in the RFQ.
- Secures the minimum passing score of 50 (out of 60) under technical evaluation of the proposal. Proposals that failed to achieve the minimum technical score shall not be considered further for the financial evaluation.
- Offers warranty for a minimum period of one year.

# **5. Sample Price Schedule**

#	Item Name	Specifications		Unit Price	Total Price
1	Fruit Juice and Jam		1		
	Processing & Packaging				
	Machinery				
2	Packaging and shipping to		1		
	Afghanistan				
3	Installation		1		
4	User training		1		
W	arranty:				
De	elivery Time:				
We, the undersigned, provide the attached quote in accordance RFQ # datedOur attached quote is for the total price of (figure and in words)  I certify a validity period ofdays for the prices provided in the attached Price Schedule/Bill of Quantities. Our quote shall be binding upon us					
	ject to the modifications.  understand that DAI is not bot	und to accept any quotes it receives.			
Authorized Signature:					
Name and Title of Signatory:					
Nar	ne of Firm:				
Add	dress:				
	ephone:				
Em	Email:				
		Company Seal/Stamp:			

# **Attachment A: Past Performance Chart**

Include projects that best illustrate your experience <u>providing similar machinery in</u> Afghanistan for international NGOs or contractors. Projects should have been undertaken in the past (3) three years.

#	Project Title	Description of Activities	Client Name, Contact Name & Tel/Email Funding Agency if applicable	Location City/	Cost in AFN	Period of Performance	Type of Agreement, Subcontract, Grant, PO (fixed price, cost reimbursable)
1							
2							
3							

### Attachment B: Bidder's Checklist and Certification

Telephone: Email:

I certify that we have provided below required information/documents along with the quotation/proposal: ☐ Completed **Attachment A: Price schedule** ☐ Completed Attachment B: Past Performance Chart ☐ Completed, signed and stamped Attachment C: Bidder's Checklist and Certification ☐ Evidence of a DUNS number or completed **Attachment D**: **Self-Certification for Exemption** from DUNS Requirement for Subcontractors and Vendors ☐ Copies of valid business license to operate in Afghanistan (e.g. AISA license or other registration document) ☐ Bank account information ☐ Photos or samples required by RFQ We understand that DAI is not bound to accept any quotes it receives. Authorized Signature: Name and Title of Signatory: Name of Firm: Address:

Company Seal/Stamp:

# Attachment C: Instructions for Obtaining a Duns Number

Note: There is a Mandatory Requirement for your Organization to Provide a DUNS number to DAI

- **I. SUBCONTRACTS/PURCHASE ORDERS:** All domestic and foreign organizations which receive first-tier subcontracts/ purchase orders with a value of \$30,000 and above are required to obtain a DUNS number <u>prior</u> to signing of the agreement. *Your organization is exempt from this requirement if the gross income received from all sources in the previous tax year was under \$300,000. Please see the self-certification form attached.*
- **II. MONETARY GRANTS:** All foreign entities receiving first-tier monetary grants (standard, simplified and FOGs) with a value equal to or over \$25,000 and performing work outside the U.S. must obtain a DUNS number <u>prior</u> to signing of the grant. All U.S. organizations who are recipients of first-tier monetary grants of any value are required to obtain a DUNS number; the exemption for under \$25,000 applies to foreign organizations only.

NO SUBCONTRACTS/POs (\$30,000 + above) or MONETARY GRANTS WILL BE SIGNED BY DAI WITHOUT PRIOR RECEIPT OF A DUNS NUMBER.

Note: The determination of a successful offeror/applicant resulting from this RFP/RFQ/RFA is contingent upon the winner providing a DUNS number to DAI. Organizations who fail to provide a DUNS number will not receive an award and DAI will select an alternate vendor/subcontractor/grantee.

\_\_\_\_\_

### **Background:**

Summary of Current U.S. Government Requirements- DUNS

The Data Universal Numbering System (DUNS) is a system developed and managed by Dun and Bradstreet that assigns a unique nine-digit identifier to a business entity. It is a common standard world-wide and users include the U.S. Government, European Commission and the United Nations. The DUNS number will be used to better identify related organizations that are receiving U.S. federal funding, and to provide consistent name and address data for electronic application systems.

Instructions detailing the process to be followed in order to obtain a DUNs number for your organization begin on the next page.

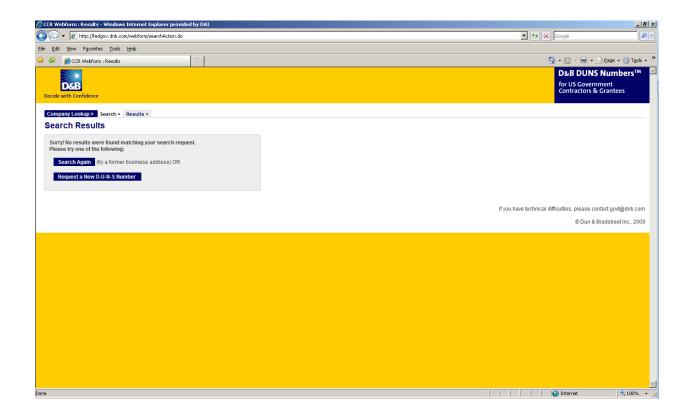
#### THE PROCESS FOR OBTAINING A DUNS NUMBER IS OUTLINED BELOW:

I. Log on to the D&B (Dun & Bradstreet) DUNS registration website to begin the process of obtaining a DUNS number free of charge.

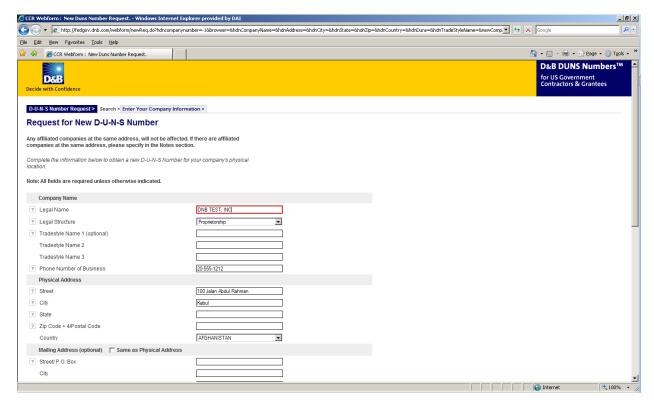
http://fedgov.dnb.com/webform/index.jsp

Please note there is a bar on the left for Frequently Asked Questions as well as emails and telephone numbers for persons at Dun & Bradstreet for you to contact if you have any questions or difficulties completing the application on-line. DAI is not authorized to complete the application on your organization's behalf; the required data must be entered by an authorized official of your organization.

- 2. Select the Country where your company is physically located.
- 3. You will first be asked to search the existing DUNS database to see whether a DUNS number already exists for your organization/entity. Subcontractors/grantees who already have a DUNS number may verify/update their DUNS records.
- 4. Potential DAI subcontractors/vendors/grantees who do not already have a DUNS number will be shown the screen below. To request a new DUNS Number, the "Request a New D-U-N-S Number" button needs to be selected.



- 5. Enter the information regarding your organization listed on the next three screens. (See screen shots below.) Make sure you have the following information available (in English) prior to beginning the process of entering this section in order to ensure successful registration.
  - Legal Business Name (commas are allowed, periods are not allowed)
  - Address
  - Phone
  - Name of Owner/Executive
  - > Total Number of Employees
  - Annual Sales or Revenue (US Dollar equivalent)
  - Description of Operations
- 6. Note that some fields are Optional, however all other fields must be completed to proceed further with the application process. For example, all applicants must complete the Organization Information sections. The Company Name and Physical Address fields are self-populated based on information previously entered during the initial DUNS search. The question marks to the left of the field provide additional information when you click on them.

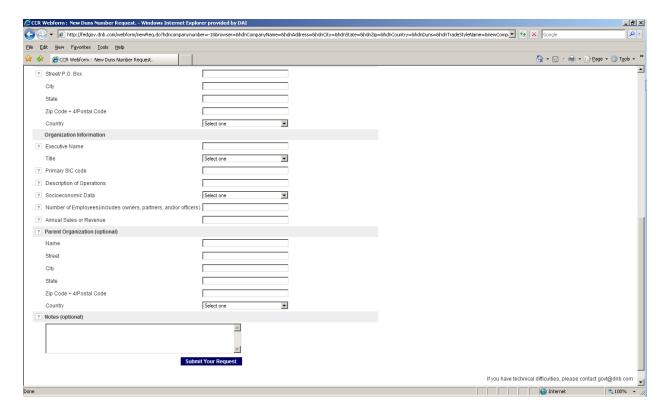


7. You must select the legal structure of your organization from the pull down menu. To assist you in selecting the appropriate structure that best represents your organization, a brief description of the various types follows:

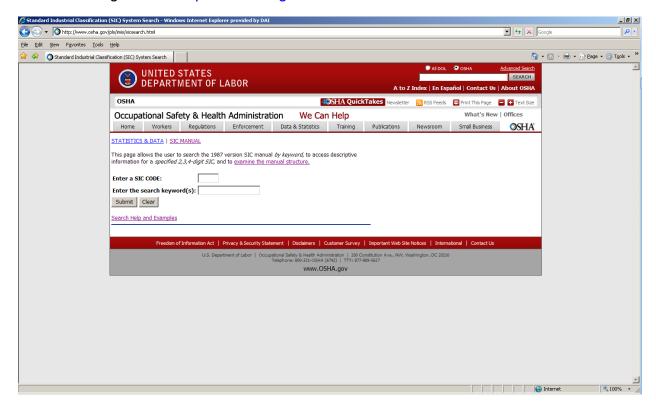
- Corporation A firm that meets certain legal requirements to be chartered by the state/province in which it is headquartered by the filing of articles of incorporation. A corporation is considered by law to be an entity separate and distinct from its owners. It can be taxed; it can be sued; it can enter into contractual agreements.
- Government central, province/state, district, municipal and other U.S. or local government entities. Includes universities, schools and vocational centers owned and operated by the government.
- Limited Liability Company (LLC) This is a type of business ownership combining several features of corporation and partnership structures. It is designed to provide the limited liability features of a corporation and the tax efficiencies and operational flexibility of a partnership. Its owners have limited personal liability for the LLC's debts and obligations, similar to the status of shareholders in a corporation. If your firm is an LLC, this will be noted on the organizations registration and licensing documents.
- Non-profit An entity which exists for charitable reasons and is not conducted or maintained for the purpose of making a profit. Any money earned must be retained by the organization, and used for its own expenses, operations, and programs. Most organizations which are registered in the host country as a non-governmental organization (NGO) rather than as a commercial business are anon-profit entities.

Community based organizations, trade associations, community development councils, and similar entities which are not organized as a profit making organization should select this status, even if your organization is not registered formally in country as an NGO.

- **Partnership-** a legal form of operation in which two or more individuals carry on a continuing business for profit as co-owners. The profits and losses are shared proportionally.
- Proprietorship-These firms are owned by one person, usually the individual who has day-today responsibility for running the business. Sole proprietors own all the assets of the business and the profits generated by it.
- 8. One of the most important fields that must be filled in is the Primary SIC code field. (See screen shot below.) The Primary Standard Industrial Code classifies the business' most relevant industry and function.



9. If you are unsure of which SIC Code your organization's core business falls under, please refer to the following website: <a href="http://www.osha.gov/oshstats/sicser.html">http://www.osha.gov/oshstats/sicser.html</a>



You will need to enter certain keywords to bring up the potential SIC Codes. In the case above, "Research" was entered as the keyword, and resulted in the following:



PLEASE NOTE: Many of the DAI subcontractors and grantees fall under one of the following SIC codes:

# 8742 Management Consulting Services

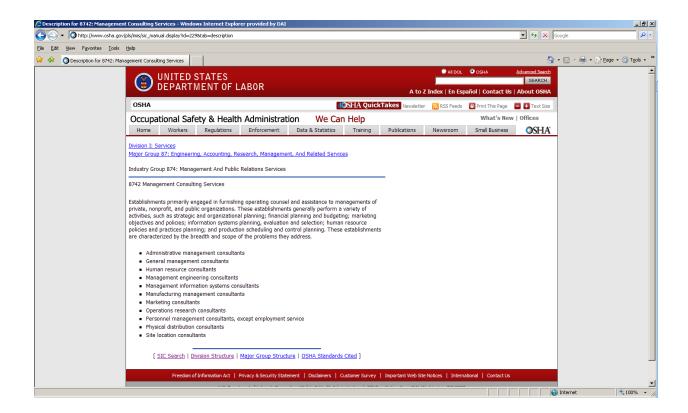
1542 General Contractors-Nonresidential Buildings, Other than Industrial Buildings and Warehouses or one of the codes within:

Industry Group 357: Computer And Office Equipment

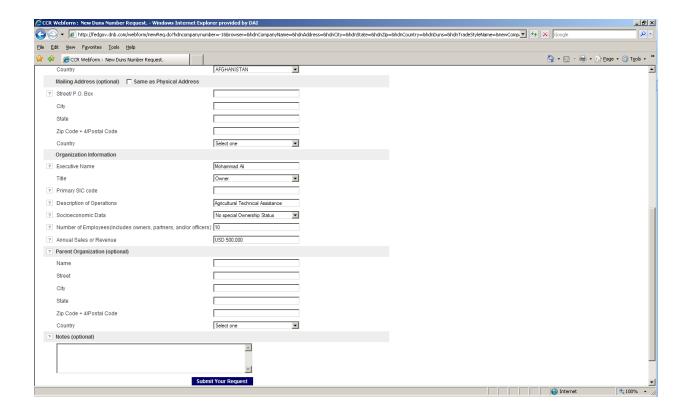
Industry Group 355: Special Industry Machinery, Except Metalworking

Industry Group 356: General Industrial Machinery And Equipment

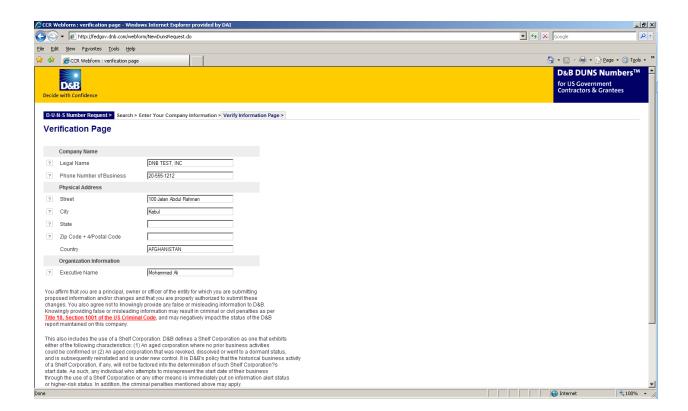
Industry Group 359: Miscellaneous Industrial And Commercial



10. Description of Operations- Enter a brief description of the primary services you provide the example below, "agricultural technical assistance" was chosen as the primary function of the business.



- 11. The Annual Sales or Revenue figure should be provided in USD (US Dollar) equivalent.
- 12. Once all of the fields have been completed, click on "Submit Your Request" to be taken to the Verification page.
- 13. Note: Representative (Principal, Owner or Officer) needs to verify and provide affirmation regarding the accuracy of the data under criminal or civil penalties as per Title 18, Section 1001 of the US Criminal Code.
- 14. Once "Yes, Continue" button is clicked, the registration application is sent to D&B, and a DUNS number should be available within 24-48 hours. DUNS database can be checked in 24-48 hours by entering the Business Information in the Search window which should now display a valid result with the new DUNS number for the entity.



#### **Attachment D:**

### **Self-Certification for Exemption from DUNS Requirement**

#### For Subcontractors and Vendors

Legal Business Name:	
Physical Address:	
Physical Country:	
Signature and Stamp of Certifier	
Full Name of Certifier (Last Name, First/Middle	
Names):	
Title of Certifier:	
Date of Certification (mm/dd/yyyy):	

The sub-contractor/vendor whose legal business name is provided herein, certifies that we are an organization exempt from obtaining a DUNS number, as the gross income received from all sources in the previous tax year is under USD \$300,000.

\*By submitting this certification, the certifier attests to the accuracy of the representations and certifications contained herein. The certifier understands that s/he and/or the sub-contractor/vendor may be subject to penalties, if s/he misrepresents the sub-contractor/vendor in any of the representations or certifications to the Prime Contractor and/or the US Government.

The sub-contractor/vendor agrees to allow the Prime Contractor and/or the US Government to verify the company name, physical address, or other information provided herein. Certification validity is for one year from the date of certification.

### **Attachment E: Representations and Certifications of Compliance**

- 1. <u>Federal Excluded Parties List</u> The Bidder Select is not presently debarred, suspended, or determined ineligible for an award of a contract by any Federal agency.
- 2. <u>Executive Compensation Certification-</u> FAR 52.204-10 requires DAI, as prime contractor of U.S. federal government contracts, to report compensation levels of the five most highly compensated subcontractor executives to the Federal Funding Accountability and Transparency Act Sub-Award Report System (FSRS)
- 3. Executive Order on Terrorism Financing- The Contractor is reminded that U.S. Executive Orders and U.S. law prohibits transactions with, and the provision of resources and support to, individuals and organizations associated with terrorism. It is the legal responsibility of the Contractor/Recipient to ensure compliance with these Executive Orders and laws. Recipients may not engage with, or provide resources or support to, individuals and organizations associated with terrorism. No support or resources may be provided to individuals or entities that appear on the Specially Designated Nationals and Blocked Persons List maintained by the US Treasury (online at <a href="www.SAM.gov">www.SAM.gov</a>) or the United Nations Security Designation List (online at: http://www.un.org/sc/committees/1267/aq\_sanctions\_list.shtml). This provision must be included in all subcontracts/sub awards issued under this Contract.
- 4. <u>Trafficking of Persons</u> The Contractor may not traffic in persons (as defined in the Protocol to Prevent, Suppress, and Punish Trafficking of persons, especially Women and Children, supplementing the UN Convention against Transnational Organized Crime), procure commercial sex, and use forced labor during the period of this award.
- 5. <u>Certification and Disclosure Regarding Payment to Influence Certain Federal Transactions</u> The Bidder certifies that it currently is and will remain in compliance with FAR 52.203-11, <u>Certification and Disclosure Regarding Payment to Influence Certain Federal Transactions</u>.
- 6. <u>Organizational Conflict of Interest</u> The Bidder certifies that will comply FAR Part 9.5, Organizational Conflict of Interest. The Bidder certifies that is not aware of any information bearing on the existence of any potential organizational conflict of interest. The Bidder further certifies that if the Bidder becomes aware of information bearing on whether a potential conflict may exist, that Bidder shall immediately provide DAII with a disclosure statement describing this information.
- 7. <u>Prohibition of Segregated Facilities</u> The Bidder certifies that it is compliant with FAR 52.222-21, Prohibition of Segregated Facilities.
- 8. <u>Equal Opportunity</u> The Bidder certifies that it does not discriminate against any employee or applicant for employment because of age, sex, religion, handicap, race, creed, color or national origin.
- 9. <u>Labor Laws</u> The Bidder certifies that it is in compliance with all labor laws.
- 10. Federal Acquisition Regulation (FAR) The Bidder certifies that it is familiar with the Federal Acquisition Regulation (FAR) and is in not in violation of any certifications required in the applicable clauses of the FAR, including but not limited to certifications regarding lobbying, kickbacks, equal employment opportunity, affirmation action, and payments to influence Federal transactions.
- 11. <u>Employee Compliance</u> The Bidder warrants that it will require all employees, entities and individuals providing services in connection with the performance of an DAI Purchase Order to comply with the provisions of the resulting Purchase Order and with all Federal, State, and local laws and regulations in connection with the work associated therein.

By submitting a quote, bidders agree to fully comply with the terms and conditions above and all applicable U.S. federal government clauses included herein, and will be asked to sign these Representations and Certifications upon award.